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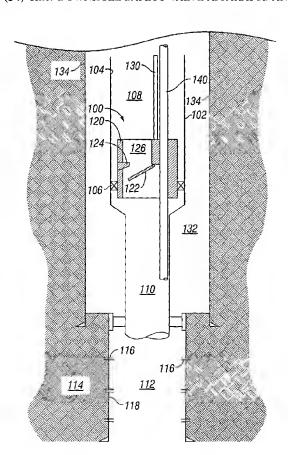
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(54) Title: DOWNHOLE SAFETY VALVE APPARATUS AND METHOD



(57) Abstract: The application discloses a valve, which may include either a safety valve or a storm surge choke valve or the like, to isolate a zone below a valve from a string of production tubing. Preferably, the valve includes a flow interruption surface assembly, such as a flapper valve or a ball valve, displaced by an operating conduit extending from a surface location to the valve through the inside of the production tubing. The application also discloses a bypass-conduit inside the production tubing to allow communication from a surface location to the production zone when the valve is in either an open or a closed location.

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Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/375,386,65.1,322,68,105			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	US 2,416,842A (O'LEARY) 04 March 1947(04.03.	1947), see figures 2 and 3.	1-54
A	US 4,022,273 A (MARATHE) 10 May 1977 (10.05.1977), see figures 1-11.		1-54
Α	US 4,387,767 A (READ) 14 June 1983 (14.06.1983), see figures 1-4.		1 -5 4
Further	documents are listed in the continuation of Box C.	See patent family annex.	
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